bargeheights

User Manual

LED 54AW

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1. THE**BEGINNING**

Thanks!

Thank you for choosing the Bargeheights LED 54AW! This versatile PAR-style LED wash luminaire will provide reliable performance day in and day out. To ensure long lasting performance, please follow the guidelines in this manual. The instructions here are important for your safety and the maintenance of this fixture. Enjoy!

Unpacking

All of our luminaires are thoroughly tested prior to being shipped. While your LED 54AW functioned perfectly when it left us, it may have been bumped around during shipping. Please inspect the carton and if you notice any damage, take a good look at the fixture. If you see any damage, it is important to contact our support team right away. And, if you find any pieces necessary for operation are missing – let us know! We'll make it right as soon as possible.

Support

If something is not working properly, let us know! Grab a computer or your favorite handheld device and head to **www.bargeheights.com/support** for user manuals, DMX channel lists and support information. You can also email us at support@bargeheights.com. We're happy to help.

WARNING!

To reduce the risk of fire or electrical shock, do not attempt to use this fixture with any covers missing or removed.

The Bargeheights LED 54AW carries a one-year (365 day) manufacturers' limited warranty. Please contact Bargeheights for warranty repair or returns. All returns require an SR (Service Request) number. If your fixture is still under warranty, contact us and we'll walk you through the process.

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Introduction

- PAR-style LED Wash Luminaire
- Amber/White color mixing via 54 x 1w LEDs
  (18 Amber, 36 White)
- High output, low power consumption
- Variable electronic strobe
- Variable electronic dimmer
- Master/Slave modes
- Built-in standalone modes - no controller required!
- Amber/White color mixing ability in standalone mode
- Rugged aluminum chassis
- Yoke with integrated floor mount
- Quiet internal fan for cooling

DMX Quick Reference

Channel	Function
1	Overall Intensity/Strobe
2	Amber Intensity
3	White 1 Intensity
4	White 2 Intensity

2. SAFETY**INFORMATION**

• DO NOT connect the fixture into a dimmer. Use constant line voltage only to avoid damage.

• Make sure you are connecting the fixture to line voltage that is not higher than the voltage stated on the rear of the fixture.

• The LED 54AW is for indoor use only. Do not expose the fixture to rain, or other moisture like your dishwasher.

• Do not operate the fixture with flammable items nearby. NEVER lay anything on the fixture while it is on.

• Give it space! The LED 54AW needs at least 6in (15cm) from other surfaces and objects. Make sure that none of the ventilation or fan slots are blocked.

• ALWAYS disconnect the fixture from its power source before servicing or cleaning.

• ALWAYS secure your LED 54AW using a safety cable. NEVER hang or carry it by its cord. It has a yoke for a reason!

• DO NOT operate when the ambient temperatures are higher than 104°F (40°C). If it's too hot for you, it's too hot for your LED 54AW!

• If your LED 54AW stops working properly, stop using it immediately. NEVER try to repair it yourself. Attempting repairs in the field can result in damage or injury. Please contact us for repairs or replacement.

• Make sure the power cord is not frayed or damaged.

• Never disconnect the power cord by pulling on the cord. Use the plug!

• Avoid direct eye exposure to the light source while it is on. It's cool looking, and fun to watch, but staring into the light can damage your eyes!

Caution!

There are no user serviceable parts inside this fixture. Do not open the housing or attempt any repairs yourself. Not only is it a bad idea, it will void your warranty – which is a bummer when you need a working light! If you do need service, please contact Bargeheights. Damages sustained as a result of modifications to the fixture, or disregarding information in this manual will not be covered by your warranty. If something is wrong, let us take a look at it. We'll help you out!

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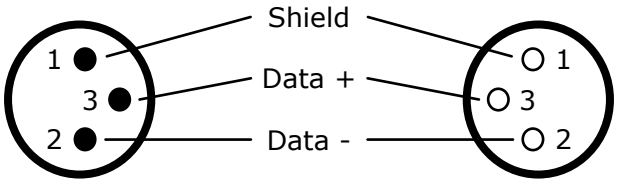
3. SETUP

DMX Cabling

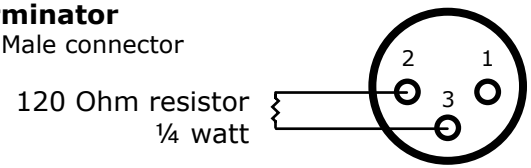
The LED 54AW has standard 3-pin XLR connectors for DMX control and daisy-chaining. Up to 32 devices can be daisy-chained together on a single run. Standard microphone cables will probably work OK, but DMX is a serial data transmission with impedance specifications that are different than analog audio. Cables specifically designed to transmit DMX signals will always work best. As an example, Belden© 9841 meets the specifications for DMX-512 applications. The longer the cable distance, the more important proper cable selection is.



DMX Termination

Sometimes, errors will crop up in your DMX line – especially if it is a long run. When this is the case, or if you just want to make sure your DMX runs have the best chance at accurate transmission, you can use a terminator. A terminator is a 120 ohm ¼ watt resistor which is connected between pins 2 and 3 of a male XLR connector (DATA + and DATA -). This connector is inserted in the female XLR connector of the last fixture in your daisy chain to terminate the line. Using a cable terminator will decrease the possibility of erratic behavior. Terminators are available on the internet and from lighting retailers. If you're handy with a soldering iron, they are simple to build yourself!

DMX Terminator
3-pin XLR Male connector



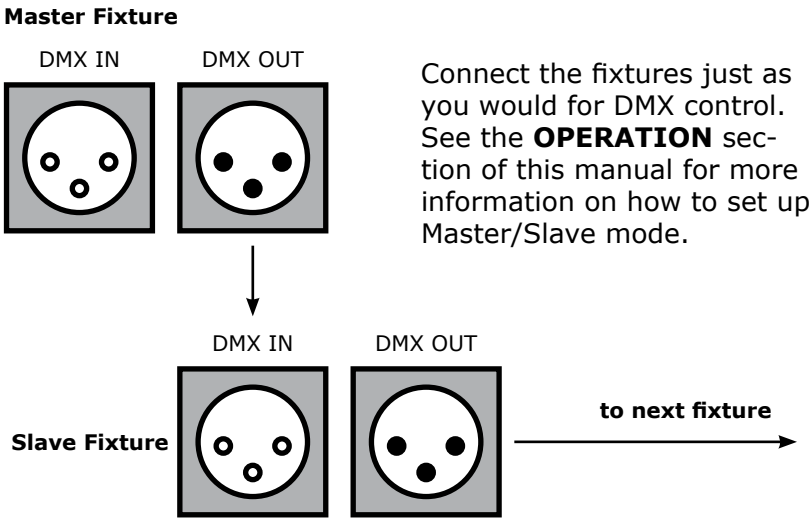
3-pin vs. 5-pin

Some manufacturers use 5-pin XLR connectors for DMX transmission. Don't worry! The two are still compatible. Adapters are available on the internet and from lighting retailers. If you want to build your own, here are the proper connections:

Cable Conductor	3-pin Female (output)	5-pin Male (input)
Shield (Ground)	Pin 1	Pin 1
DMX Data +	Pin 2	Pin 2
DMX Data -	Pin 3	Pin 3
not connected	-	not connected
not connected	-	not connected

Master/Slave Mode

The LED 54AW also has a Master/Slave mode. In this mode you can set the first fixture in the line to act as the master controller – and up to 32 other fixtures can be connected and will mirror the operation of the first. In this configuration, you do not need a DMX controller.



Connect the fixtures just as you would for DMX control. See the **OPERATION** section of this manual for more information on how to set up Master/Slave mode.

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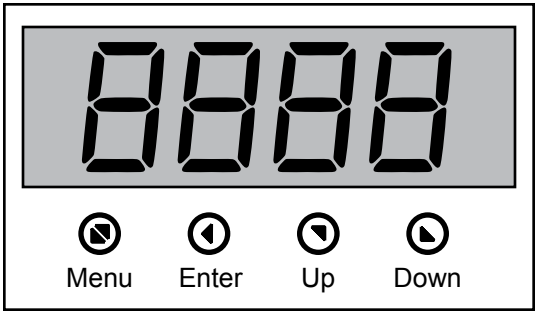
4. OPERATION/**CONFIGURATION**

We here at Bargeheights don't really care for DIP switches. They are hard to see in the dark, and since most of us don't quickly think in binary, they are tricky to set properly. The LED 54AW has an LED display with a simple menu system. There are four control buttons below the display that allow you to navigate the control menus.



<MENU> – Go up a level in the menu system

<ENTER> – Select the current number / menu selection

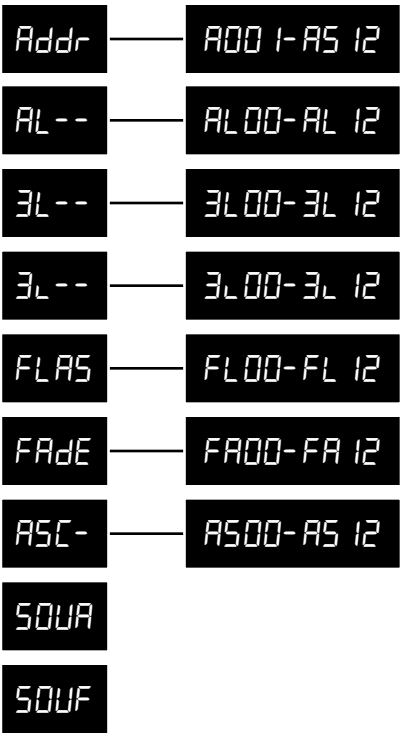
<UP> – Scroll to the next higher number or menu selection

<DOWN> – Scroll to the next lower number or menu selection

To access the main menu press the <**MENU>** button. Use the **<UP>** or **<DOWN>** buttons to navigate through the menu options. Press the **<ENTER>** button to select the option displayed, and use the **<UP>** or **<DOWN>** buttons to change the settings. Once your changes are made press **<ENTER>** to accept the change.

If the LED 54AW menu remains static for more than eight seconds it will automatically return to its last setting. To exit the menu without making any changes press the **<MENU>** button.

Menu Structure



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DMX Control Mode

To change the DMX starting address:

• Press **<MENU>** until Addr is displayed.
• Press **<ENTER>** to display the channel number, and press **<UP>** or **<DOWN>** to select your starting address.
(A001-A512)
• Press **<ENTER>** to assign your selection.

DMX Mode Channel List

Channel	Channel Value	Function
1	0-127 128-249 250-255	Overall Intensity Strobe Slow -> Fast Full Intensity
2	0-255	Amber Intensity
3	0-255	White 1 Intensity
4	0-255	White 2 Intensity

Standalone Control Modes

The LED 54AW has several standalone control modes that do not require a DMX control signal.

• Press **<MENU>** then press **<UP>** or **<DOWN>** until AL-- or 3L-- or 3L-- is displayed.
• Press **<ENTER>** to select, and press **<UP>** or **<DOWN>** to adjust the level of that color (Amber, White 1, or White 2)
• The LED 54AW will stay on in the selected color until the mode is changed.

FLAS is Strobe Mode. The LED 54AW will strobe in varying speeds from FL00 to FL 12.

• Press **<MENU>** then press **<UP>** or **<DOWN>** until FLAS is displayed.
• Press **<ENTER>** to select, and press **<UP>** or **<DOWN>** to adjust the speed of strobe (FL00 to FL 12).

FAdE is Color Fade Mode. The LED 54AW will fade colors in varying speeds from FA00 to FA 12.

• Press **<MENU>** then press **<UP>** or **<DOWN>** until FAdE is displayed.
• Press **<ENTER>** to select, and press **<UP>** or **<DOWN>** to adjust the speed of strobe (FA00 to FA 12).

ASC- is Color Cycle Mode. The LED 54AW will switch colors in varying speeds from AS00 to AS 12.

• Press **<MENU>** then press **<UP>** or **<DOWN>** until ASC- is displayed.
• Press **<ENTER>** to select, and press **<UP>** or **<DOWN>** to adjust the speed of strobe (AS00 to AS 12).

SOUA is Sound Control: Color Cycle Mode. The LED 54AW will respond by changing color to music or sounds via its onboard microphone.

SOUF is Sound Control: Strobe Mode. The LED 54AW will respond by flashing to music or sounds via its onboard microphone.

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Master/Slave Mode

Up to 32 LED 54AWs may be connected via the 3-pin DMX connections and controlled simultaneously without a DMX controller by using Master/Slave Mode. In this mode you can set one fixture in the line to act as the master controller – and up to 32 other fixtures can be connected and will mirror the operation of the Master.

- Select the desired standalone mode on the Master LED 54AW.
- Set the DMX address of each Slave fixture to A001.
- Make sure the Master is the first fixture in the line connected via the 3-pin DMX connections on the rear of the LED 54AW.

Technical Specifications:

Model:	LED 54AW
LEDs:	54 x 1watt (18 Amber, 36 White)
Voltage:	100-250v / 50-60Hz
Dimensions:	9in (h) x 9in (w) x 12in (l) 230mm (h) x 230mm (w) x 310mm (l)
Weight:	11lbs (5.0Kg)
Power Consumption:	56 watts
DMX Channels:	4 channels
Beam Spread:	25 degrees
Setup & Addressing:	LED Menu display – no dip switches!

Photometric Data:

Throw Distance	2.0m 6.6′	4.0m 13.1′	6.0m 19.7′	8.0m 26.2′
Beam Diameter	.87m 2.9′	1.77m 5.8′	2.66m 8.7′	3.54m 11.6′
Illuminance (lux)	5910	1038	510	396

Photometric data taken with all channels at full. Due to variations in all LEDs, these values should be considered approximate. All LED sources experience a lowering of output and some color shift over time. LED output varies with ambient operating temperatures.

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5. CARE/**MAINTENANCE**

Your LED 54AW is designed for long life with minimal upkeep. Since there are no lamps to replace, maintenance is simple - just keep your LED 54AW clean and dry. Especially if you are in a dusty or haze-filled environment, there are some simple steps you can take to ensure a long, happy life for your LED 54AW.

Keeping the lens area clean will ensure maximum light output. Use glass cleaner on a soft cloth to wipe down the lens area and the outer enclosure of the LED 54AW whenever it gets dirty or dusty. Always make sure the vent holes are kept clear. The fan won't work if there's no place for the air to go!

Any other repair or maintenance should be performed by qualified individuals only. There are no user-serviceable parts in the LED 54AW. If you find your LED 54AW behaving strangely, please feel free to contact us and we'll help with troubleshooting.

Returns

While your LED 54AW was tested and working perfectly before it left to join your family, sometimes things can happen. If there's a problem, and you need to return your LED 54AW - don't worry! It's easy.

Head over to www.bargeheights.com/support and select the LED 54AW, or send an email to support@bargeheights.com, and we'll issue you an SR (Service Request) number. Carefully pack your LED 54AW for shipping - using the original box and packing material, if possible. Use a prepaid, trackable shipping method, such as UPS, FedEx or USPS Priority Mail.

Please include the following information with your fixture so we can best help you!

1. Your contact information (Name, Address, Phone Number, Email address)
2. The SR# issued to you
3. A brief description of the problem/symptoms

We will take a look at the fixture, and at our discretion, repair or replace the fixture. Please note that we cannot be responsible for damage that takes place during shipping - so make sure you pack the fixture well!

Shipping Damage

Damage incurred in shipping is the responsibility of the shipper, and must be reported to the shipping company immediately upon receipt of the items. Claims must be made within seven (7) days of receipt.

Contact Us

bargeheights inc

www.bargeheights.com

Support: www.bargeheights.com/support

support@bargeheights.com

859.904.9444

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